

WHAT IS CLAIMED IS:

1. A process for producing glucose-1-phosphate, comprising the steps of culturing bacteria of the  
5 genus *Corynebacterium* in a medium containing a saccharide and at least 1 mM of phosphoric acid or a derivative or salt thereof, and collecting glucose-1-phosphate produced and accumulated in the medium.
- 10 2. The process according to Claim 1, wherein the bacteria of the genus *Corynebacterium* are selected from *Corynebacterium callunae*, *Corynebacterium glutamicum* and *Corynebacterium vitaeruminis*.  
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3. The process according to Claim 2, wherein the bacterial of the genus *Corynebacterium* are selected from *Corynebacterium callunae* IFO 15359, *Corynebacterium glutamicum* JCM 1321 and  
20 *Corynebacterium vitaeruminis* JCM 1323 strains.
4. The process according to any one of Claims 1 to 3, wherein the saccharide is at least one selected from monosaccharides, disaccharides, oligosaccharides  
25 and polysaccharides containing glucose as a constitutive saccharide

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100